

Rabbit PITX1 Polyclonal Antibody | anti-PITX1 antibody

PITX1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288886	Rabbit	Human (Predicted Reactivity: Chicken, Mouse, Rat, Xenopus, Zebrafish, Drosophila, C Elegans)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

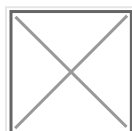
PRODUCT SYNONYMS

PITX1; Polyclonal Antibody; PITX1 Antibody (Center); Pituitary homeobox 1; Hindlimb-expressed homeobox protein backfoot; Homeobox protein PITX1; Paired-like homeodomain transcription factor 1; BFT; PTX1; anti-PITX1 antibody

PRODUCT SPECIFICATIONS

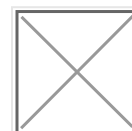
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse, Rat, Xenopus, Zebrafish, Drosophila, C Elegans)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This PITX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 123-150 amino acids from the Central region of human PITX1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	123-150
Sequence Length	314
Applicable Applications for anti-PITX1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Sequence-specific transcription factor that binds gene promoters and activates their transcription. May play a role in the development of anterior structures, and in particular, the brain and facies and in specifying the identity or structure of hindlimb.
Cellular Location	Nucleus.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

PITX1 Antibody (Center) flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

PITX1 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded human Lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PITX1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

**WB (Western Blot)**

Western blot analysis of PITX1 (arrow) using rabbit polyclonal PITX1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PITX1 gene.

**WB (Western Blot)**

Western blot analysis of PITX1 antibody (Center) in NCI-H460 cell line lysates (35ug/lane). PITX1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PITX1 antibody	PITX1 is a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. Members of this family are involved in organ development and left-right asymmetry. This protein acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin.
Product Categories/Family for anti-PITX1 antibody	Signal Transduction
References	Grimminger,P., Ling,F.C. Anticancer Res. 29 (4), 1281-1286 (2009) Gurnett,C.A., Alaei,F. Am. J. Hum. Genet. 83 (5), 616-622 (2008) Philippi,A., Tores,F. BMC Med. Genet. 8, 74 (2007) Shang,J., Li,X. Genomics 40 (1), 108-113 (1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	152963644
NCBI GeneID	5307
NCBI Accession #	NP_002644.4
NCBI GenBank Nucleotide #	NM_002653.4
UniProt Accession #	P78337 ; O14677 ; O60425 ; Q9BTI5 ; A8K3M0 ; D3DQB0
Molecular Weight	34128
NCBI Official Full Name	pituitary homeobox 1
NCBI Official Synonym Full Names	paired-like homeodomain 1
NCBI Official Symbol	PITX1
NCBI Official Synonym Symbols	BFT; CCF; POTX; PTX1; LBNBG
NCBI Protein Information	pituitary homeobox 1
UniProt Protein Name	Pituitary homeobox 1
UniProt Gene Name	PITX1
UniProt Synonym Gene Names	BFT; PTX1
UniProt Entry Name	PITX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pitx1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288886>